

Harry McGregor
CIS226 - Advanced Linux System & Network Administration
January 22, 2015
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CIS226 Class information

January 22nd	Class intro – Go over Syllabus – Raid intro and other “datacenter” type technologies
January 29th	Start of Semester Quiz, Instructor lead and students install with RAID 1 & 5/6, client Linux installation.
February 5rd	Virtual network environment including dhcp server, DNS and Bind, zone management.
February 12th	Setup squid and DansGuardian as a content controlling web proxy server
February 19th	Windows Installation., Apache2, and FTP server, user management
February 26th	Setup squid proxy server on a dedicated logical volume
March 5th	DansGuardian as a content controlling web proxy server
March 12th	Suricata, Intrusion Detection Systems, and Network Vulnerability testing
March 19th	NO CLASS – Spring Break
March 26th	Dovecot IMAP and Exim4 SMTP
April 2nd	Data backup technologies, including network sync, remote replication, and I incremental backup
April 9th	Setup samba as Domain Controller, mount windows shares on Linux, samba4 AD DC
April 16th	Based on class
April 23rd	Based on class
April 30th	Based on class
May 7th	Review for final exam – End of Semester Quiz
May 15th	Final exam practical

This list is a sampling of the many possibilities. The exact content of the class will depend on the interests of the students enrolled and the time available.

Lab Resources:

The classroom is set up with 27 computer systems for student use and two systems for the instructor.

Attendance and Grading Policy

Attendance: A daily attendance quiz will be offered for tracking. Attendance will carry a class weight 10%.

Completion of in-class Lab Activities: The class weight of this section will be be 10%.

Start of Semester / End of Semester Quiz (higher of the two): The class weight of this section will be be 10%.

Homework: Pima CC is requiring a specific amount of assigned homework per credit hour. For this class, the formula results in 8 hours of homework per week. Homework will be posted to the MyPima class website, and may include tutorial videos, work inside a linux/asterisk environment from home, reading, and research papers as needed to meet this requirement. Homework will have a class weight of 10%

Final: The final will carry a class weight of 60%.

Course Grade Determination:

The weighted percentage of each of the performance measurements will be summed. The following table will be used to determine your grade:

Greater than 90%	A
Greater than 80% and less than 90%	B
Greater than 70% and less than 80%	C
Greater than 50% and less than 70%	D
Less than 50%	F

Initial Participation

Students who do not actively participate by taking the in the class attendance quiz at least once by the drop deadline will be dropped from the class. This may result in adverse financial consequences such as a change in financial aid, veterans' benefits, other benefits related to being a full-time student (see PCC BP 3108).

Continued Participation

If a student begins the course but does not actively participate by taking the in the class attendance quiz for 10 consecutive calendar days, the student's record will be flagged with the Registered but Not Attending (RN) status. The College will initiate contact to determine whether the student intends to return to the course. If the College is unable to confirm the student's intent to return, the student will be considered unofficially withdrawn for purposes such as financial aid and Veterans' benefits and adverse consequences may result for the student. (<https://www.pima.edu/about-pima/policies/board-policies/BP-3103.html>)

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ADA policy statement:

Pima Community College is committed to providing accommodations for qualified individuals with disabilities in a timely and effective manner. To request a reasonable accommodation, students must be registered with the campus Disabled Student Resources (DSR) office. Accommodations will be made based on eligibility determined by Disabled Student Resources. Services can be requested at any time during the semester. Requesting services well in advance will help to ensure that resources are available when needed. Please contact a DSR office at 206-6688 or DSRhelp@pima.edu. (5/1/12)

Arizona's Mandatory Reporting Law (A.R.S. 13-3620): Pursuant to Arizona law (A.R.S. §13-3620), College personnel, including faculty, staff, and administrators, who learn in the course and scope of their employment that a minor (defined as under 18 years of age) has been the victim of physical or sexual abuse, are required to report this information immediately to law enforcement.

Arizona's Mandatory Reporting of Sexual Violence and/or Sexual Offenses (A.R.S. 13-14xx):

Pursuant to Arizona law (A.R.S. §13-14xx) and Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistic Act; 34 CFR Part 668; College personnel, including faculty, staff, and administrators, who learn in the course and scope of their employment that an individual has been a victim of sexual violence, or is informed about an alleged sexual offence shall, as soon as possible, contact the Department of Public Safety.